



# **CITY OF CONOVER WASTEWATER TREATMENT ANNUAL PERFORMANCE REPORT**

***Purpose: This report is to notify our customers about our water pollution control activities during the fiscal year from July 1, 2017 through June 31, 2018. It covers the City of Conover NE Wastewater Treatment Plant and Collection System.***

## ***I. General Information***

**Facility System Name: City of Conover Wastewater Treatment and Collection System**

**Responsible Entity: City of Conover**

**Person in Charge/Contact: Michael Fox - Wastewater Treatment and Collection Supervisor and  
Northeast WWTP ORC  
Phone: 465-2279 Cell 217-5097  
Tony Parker- Collection System ORC  
Cell 312-4344  
Collection System  
Cell 217-5101**

**Applicable Permits: Northeast Wastewater Treatment Plant NC0024252  
City of Conover Collection System Permit No. WQCS00088**

### **Description of Collection System and Treatment Processes:**

**Collection System:** The City of Conover's collection system consist of 116 miles of sewer line with seven pumping station. The collection system transports wastewater to the City of Conover's Northeast Wastewater Treatment Plant, and a portion, to the City of Newton's Regional Clark Creek Wastewater Treatment Plant.

**Northeast Wastewater Treatment Plant:** The City of Conover Northeast Wastewater Treatment Plant is located at 3680 Hillview Drive, Conover. It is a sequencing batch reactor, activated sludge facility with tertiary sand filters. The discharge goes into Lyle Creek. The Northeast Facility has a permitted treatment capacity of 1.5 million gallons per day with a present day average flow of 0.815 million gallons per day.



**City of Conover Collection System Overflow Response Communicators  
These devices help predict and prevent sewer overflows**

**Note to Consumers:** If all of your drains seem to be clogged, call the City before calling a plumber. The City crew will come out, at no charge, and check the problem and unclog the blockage if it is in the City's collection line. If it is in your lines you will have to call a plumber, but let us check first.

<b>Day time numbers:</b>	<b>464-4808</b>
	<b>465-2279</b>
	<b>217-5101</b>
	<b>217-5097</b>
<b>Evenings</b>	<b>464-3112</b>

# Please help us keep our environment clean.

## Dispose of cooking grease as solid waste

### **II. Performance:**

The City of Conover is very proud of the performance of the treatment plant and collection system over this year 2017-2018.

**Collection System:** The City of Conover had no reportable Sanitary Sewer Overflows during 2017-2018.

*The City of Conover's staff would like to take this opportunity to thank the concerned citizens who notified us of sewer problems this past year. Your help greatly improves our ability to protect the environment.*

### **The City of Conover Northeast Wastewater Treatment Plant reporting period 2017-2018**

The City of Conover NEWWTP exceeded permit limits for the month of September 2017 on BOD with a permit limit value of 8 mg/l and a monthly average value of 10.3 mg/l. The BOD weekly average for the 5th week was 12.45 with a limit of 12 mg/l. The NH3 as N monthly permit limit of 2 mg/l had a monthly average value of 4.13 mg/l.

NEWWTP NC0024252	Discharge 001									
	Effluent Pollutants					Influent Pollutants			Removal	
Date	Flow (mgd)	BOD	NH3	TSS	Fecal Coliform	Toxicity	BOD	TSS	BOD	TSS
7/1/2017	0.716	0.8	0.63	3.1	4.30		275.3	143.9	100%	100%
8/1/2017	0.687	5.4	1.42	0.9	1.00		326.3	205.3	98%	99%
9/1/2017	0.769	10.3	4.13	2.2	1.31	PASS	315.6	226.0	97%	98%
10/1/2017	0.746	3.1	1.93	1.3	2.05		306.4	247.2	99%	99%
11/1/2017	0.744	0.2	0.18	0.4	2.15		305.5	193.6	100%	100%
12/1/2017	0.698	0.3	0.23	1.0	1.56	PASS	310.8	253.8	100%	100%
1/1/2018	0.773	1.5	0.36	0.4	1.72		320.4	195.4	100%	100%
2/1/2018	0.976	8.6	1.42	2.6	1.59		303.5	142.2	97%	99%
3/1/2018	0.922	4.9	0.99	1.2	1.53	PASS	268.4	169.5	98%	99%
4/1/2018	1.072	4.7	1.07	3.2	1.52		271.3	153.0	98%	99%
5/1/2018	0.914	6.1	1.48	4.3	1.94		260.9	174.6	98%	99%
6/1/2018	0.765	4.3	1.55	3.4	1.62	PASS	297.7	187.7	99%	99%
average	0.815	4.2	1.28	2.0	1.86		296.8	191.0	99%	99%
NPDES LIMIT	1.500	16/8	4.0/2.0	30	200col/100ml	Pass/Fail			85%	85%

**Any questions concerning this report please call Michael Fox at 465-2279.**